

Teacher's Guide



Moulder's Apprentice Tour

AUDIENCE	3rd and 4th Grades
DESCRIPTION	A one hour tour that emphasizes the jobs people did during the 1830's at Hopewell leads to a hands-on mold-making experience by the students. The Molding/Casting lab will take about one and a half hours. The students will take a break to allow their molds to dry. The entire educational experience will run two and one half-hours.
REQUIREMENTS	Class size for this tour will be kept to 25 students. It is required to have one chaperone per 10 students. Students must be made aware of the positive behavior that is expected during the tour and lab activities. Teachers are required to maintain the attention of the students; the Ranger is not responsible for discipline.
THEME	The molding and casting of iron products was the main thrust of Hopewell Furnace during its heyday in the 1830's. The Moulders were considered highly skilled and very valuable employees to the ironworks.
HOPEWELL FURNACE PROGRAM OBJECTIVES	<ol style="list-style-type: none">1. Visitors/students will understand how a number of the occupations were very demanding.2. Visitors/students will understand many of the occupations that were important to the iron-making success of Hopewell.3. Visitors/students will experience and learn the molding/casting process.4. Visitors/students will understand some aspects of the educational process in the 1830's.
RELATED OBJECTIVES OF LOCAL SCHOOLS	<ol style="list-style-type: none">1. Students will learn about a community of long ago.2. Students will be able to identify a local historic landmark in their immediate area.3. Students will learn about some of the skills needed by early Americans in order to do certain jobs.4. Students will learn about industry after the American Revolution.5. Students will learn the difference between a pattern and a mold and a cast.6. Students will experience a job from the 19th century7. Students will learn about the iron-making process.8. Students will be exposed to an educational experience from the 19th century.9. Students will understand some of the occupational hardships of the 19th century.10. Students will understand the importance of working together to achieve common goals.11. Students will learn about occupations of the past.12. Students will learn about the value and dignity in working.13. Students will compare tools from different time periods.14. Students will understand the need for both natural and human resources in a community.15. Students will learn some basic history about an iron-making plantation.